Title (en)

SYSTEMS AND METHODS FOR NUCLEIC ACID SEQUENCING

Title (de)

SYSTEME UND VERFAHREN ZUR NUKLEINSÄURESEQUENZIERUNG

Title (fr)

SYSTÈMES ET PROCÉDÉS DE SÉQUENÇAGE D'ACIDES NUCLÉIQUES

Publication

EP 3488017 A4 20200226 (EN)

Application

EP 17831906 A 20170720

Priority

- US 201662364489 P 20160720
- US 201662375197 P 20160815
- US 201662418101 P 20161104
- US 201762444700 P 20170110
- US 2017043159 W 20170720

Abstract (en)

[origin: WO2018017884A1] Provided herein are systems and methods for processing and analyzing nucleic acids and other biomolecules. Methods may include processing nucleic acid molecules in an emulsion of droplets. Methods of analyzing nucleic acid molecules may include coupling nucleic acids to a bead or other support. Methods may include analysis of nucleic acid molecules using a redox mediator. In some cases, analysis of the nucleic acid molecule includes determining a nucleotide sequence of the nucleic acid molecule.

IPC 8 full level

C12Q 1/68 (2018.01); **C12Q 1/6869** (2018.01); **G01N 27/414** (2006.01); **G01N 33/551** (2006.01)

CPC (source: CN EP US)

C12Q 1/6869 (2013.01 - CN EP US); **G01N 27/414** (2013.01 - CN); **G01N 33/551** (2013.01 - CN)

Citation (search report)

- [I] US 2014235457 A1 20140821 - ESFANDYARPOUR HESAAM [US], et al
- [I] WO 2014152625 A1 20140925 - GENAPSYS INC [US]
- [A] WO 2013082619 A1 20130606 - GENAPSYS INC [US]
- See references of WO 2018017884A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2018017884 A1 20180125; CN 109790575 A 20190521; CN 116397014 A 20230707; EP 3488017 A1 20190529; EP 3488017 A4 20200226; US 10544456 B2 20200128; US 2018100190 A1 20180412; US 2020232024 A1 20200723

DOCDB simple family (application)

US 2017043159 W 20170720; CN 201780057996 A 20170720; CN 202310096842 A 20170720; EP 17831906 A 20170720; US 201715655616 A 20170720; US 201916712601 A 20191212